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June 6, 2005

Ms. Joan Fleck
North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Subject: **First Quarter 2005 Groundwater Monitoring Report**
Rotten Robbie Service Station No. 40
2515 Guerneville Road, Santa Rosa, Sonoma County, California
Apex Project # ROB01.001

Dear Ms. Fleck:

Apex Envirotech, Inc. (Apex), has been authorized by Robinson Oil Corporation (Robinson Oil) to provide this report documenting the results of groundwater monitoring. This report covers site activities for the first quarter groundwater monitoring event conducted on March 24, 2005. Groundwater monitoring results are provided in the attached figures and tables. Apex standard operating procedures, field data, and analytical results are provided as attachments.

This report is based in part on information obtained from Robinson Oil and is subject to modification as newly acquired information warrants.

BACKGROUND

November 1991 - On-Site Technologies, Inc. (OST) prepared a Remedial Investigation/Feasibility Study report recommending soil and groundwater remediation through groundwater extraction treatment.

December 15, 1995 - OST recommended a soil vapor extraction (SVE) and air sparge (AS) system be coupled with the groundwater extraction treatment as a more beneficial and cost effective remedial technology.

June 26, 1996 - OST proposed annual groundwater monitoring be conducted at the subject site, and groundwater extraction and treatment be supplemented with SVE/AS.

January 29, 1998 - The North Coast Regional Water Quality Control Board (NCRWQCB) issued a letter, requesting a feasibility study be prepared proposing alternative remediation technologies.

April 20, 1999 - ATC Associates, Inc submitted a Remedial Action/Feasibility Study and Corrective Action Plan, proposing active dual phase extraction.

April 20, 2003 - Based on groundwater contamination at the subject site, the NCRWQCB proposed deferring implementation of a remediation system and continue groundwater monitoring activities.

July 24, 2004 - Apex submitted a workplan entitled, *Workplan for Installation of Ozone Sparging Remediation System*, proposing the installation of an ozone sparge system at the subject site, and other remedial alternatives.

December 3, 2004 - The NCRWQCB issued a letter (Appendix D) recommending that the ozone sparge remediation system be permitted through the Santa Rosa Fire and Community Development Department. In addition, the NCRWQCB requested that well MW-11 from the adjoining facility south of the site, be included in Apex's currently quarterly sampling schedule. Installation of a remediation system at the site will be in concurrence with site improvements.

GENERAL SITE INFORMATION

Site name:	Rotten Robbie Service Station #40
Site address:	2515 Guerneville Road, Santa Rosa
Responsible party:	Robinson Oil Corporation
Current site use:	Fuel station
Current phase of project:	Groundwater monitoring
Tanks at site:	4 USTs
Number of wells:	8 Monitoring wells (4 onsite, 4 offsite), 2 vapor extraction wells

GROUNDWATER MONITORING SUMMARY

Gauging and sampling date:	March 24, 2005
Wells gauged and sampled:	MW-1 through MW-3, MW-5, MW-6 and MW-8
Wells gauged only:	None
Wells sampled only:	None
Wells not gauged or sampled:	MW-4 and MW-11
Groundwater flow direction:	South Southeast
Groundwater gradient:	0.035 ft/ft
Floating liquid hydrocarbon:	None
Laboratory:	Kiff Analytical, Davis, California

Analysis:

Analysis	Abbreviation	Designation	USEPA Method No.	
Total Petroleum Hydrocarbons as Gasoline	TPHg	Gas-Range Hydrocarbon		
Benzene	BTEX	Aromatic Volatile Organics	8260B	
Toluene				
Ethylbenzene				
Xylenes (Total)				
Methyl Butyl Alcohol	MTBE	Five Fuel Oxygenates		
Di-Isopropyl Ether	DIPE			
Ethyl Tertiary Butyl Ether	ETBE			
Tertiary Amyl Methyl Ether	TAME			
Tertiary Butal Alcohol	TBA			
1,2-Dichloroethane	1,2-DCA	Lead Scavengers		
Ethylene dibromide	EDB			

Modifications from Standard Monitoring Program:

Well MW-4 could not be located, and the well box at well MW-11 could not be accessed at the time of sampling.

CONCLUSIONS

Based on laboratory analytical results the site has been impacted by hydrocarbon and oxygenate constituents.

The hydrocarbon plume is not defined downgradient.

RECOMMENDATIONS

Apex will continue quarterly groundwater monitoring to confirm analytical results. The next sampling event is scheduled for June 2005.

Installation of the approved ozone sparge system is currently pending the demolition and reconstruction of the site. Apex will conduct a limited subsurface investigation beneath the existing dispenser area during demolition activities.

ADDITIONAL ACTIVITIES PERFORMED AT SITE

None

ATTACHMENTS:

Figure 1: Site Vicinity Map

Figure 2: Site Plan Map

Figure 3: TPHg in Groundwater Isoconcentration Map: March 24, 2005

Figure 4: Benzene in Groundwater Isoconcentration Map: March 24, 2005

Figure 5: MTBE in Groundwater Isoconcentration Map: March 24, 2005

Table 1: Well Construction Details

Table 2: Groundwater Elevation Data

Table 3: Groundwater Analytical Data

Appendix A: Apex Standard Operating Procedures

Appendix B: Field Data Sheet

Appendix C: Laboratory Analytical Report and Chain of Custody Form

Appendix D: NCRWQCB letter dated December 3, 2004

REPORT DISTRIBUTION

A copy of this report was submitted to:

Regulatory Oversight: Mr. Jeff Tarter
 City of Santa Rosa Fire Department
 955 Sonoma Avenue
 Santa Rosa, California 95404
 (707) 543-3500

Ms. Joan Fleck
North Coast Regional Water Quality Control Board
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403
(707) 576-2220

Responsible Party: Mr. Thomas L. Robinson
 Robinson Oil Corporation
 4250 Williams Road
 San Jose, California 95129
 (408) 869-2969

cc: Mr. Brian Wingard
 Winzler & Kelley
 495 Tesconi Circle
 Santa Rosa, California 95401
 (707) 523-1010

Mr. Ron Michelson
RM Associates
16401 Meadow Vista Drive, Suite 102
Pioneer, California 95666

REMARKS/SIGNATURES

The information contained within this report reflects our professional opinions and was developed in accordance with currently available information, and accepted hydrogeologic and engineering practices.

The work described above was performed under the direct supervision of the professional geologist, registered with the State of California, whose signature appears below.

We appreciate the opportunity to provide Robinson Oil geologic, engineering and environmental consulting services, and trust this report meets your needs. If you have any questions or comments, please call us at (916) 851-0174.

Sincerely,

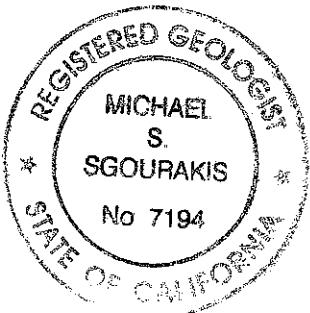
APEX ENVIROTECH, INC.



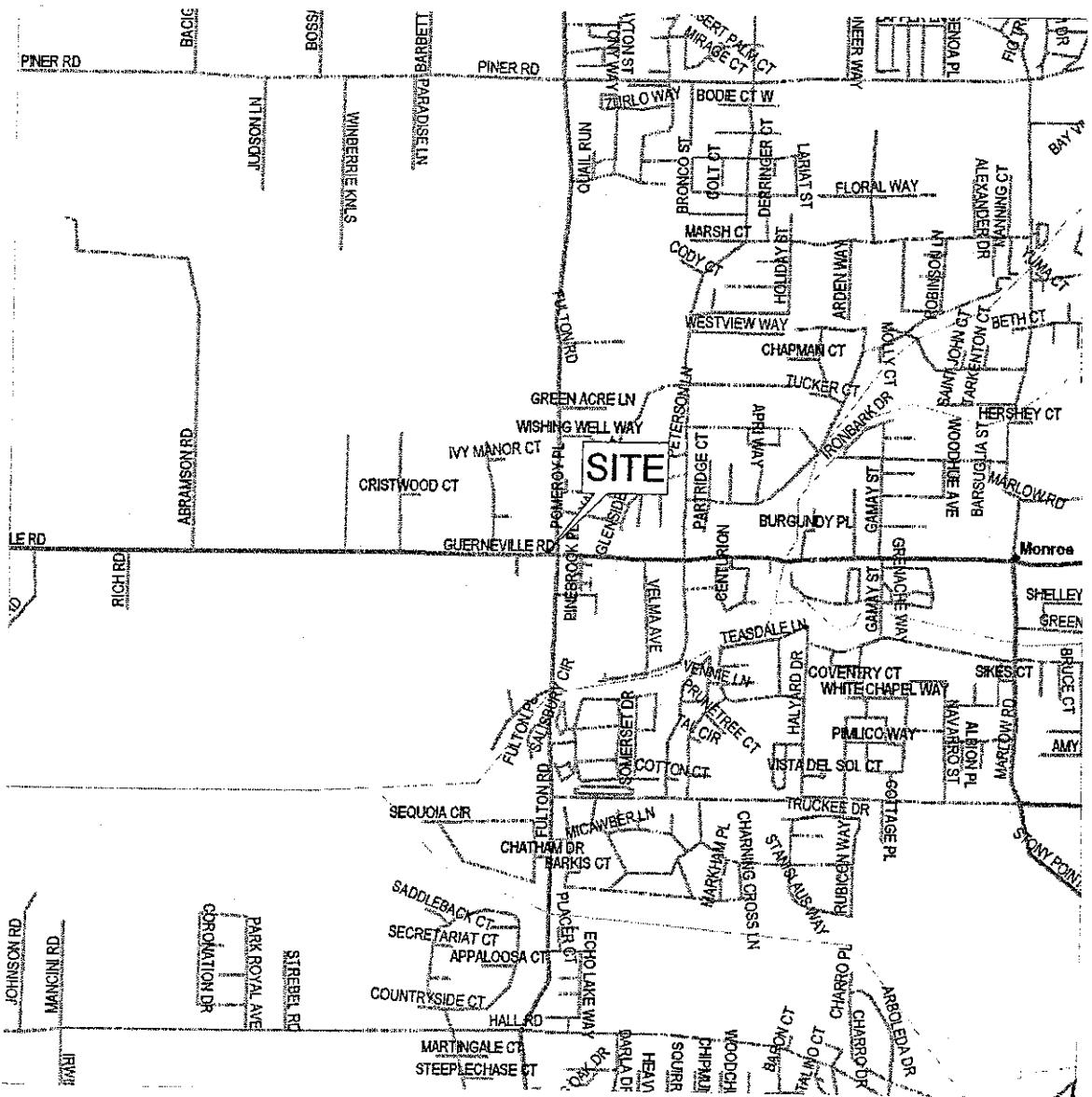
Kelli Felker
Staff Environmental Scientist



Michael S. Sgourakis R.G.
Senior Project Manager
CRG # 7194



FIGURES



0 2,000 4,000

Approximate Scale
1 inch = 2,000 feet



N

DRAWN BY: J. Curry
DATE: 05/11/05

REVISIONS

SITE VICINITY MAP

Rotten Robbies
2515 Guerneville Road
Santa Rosa, California

FIGURE

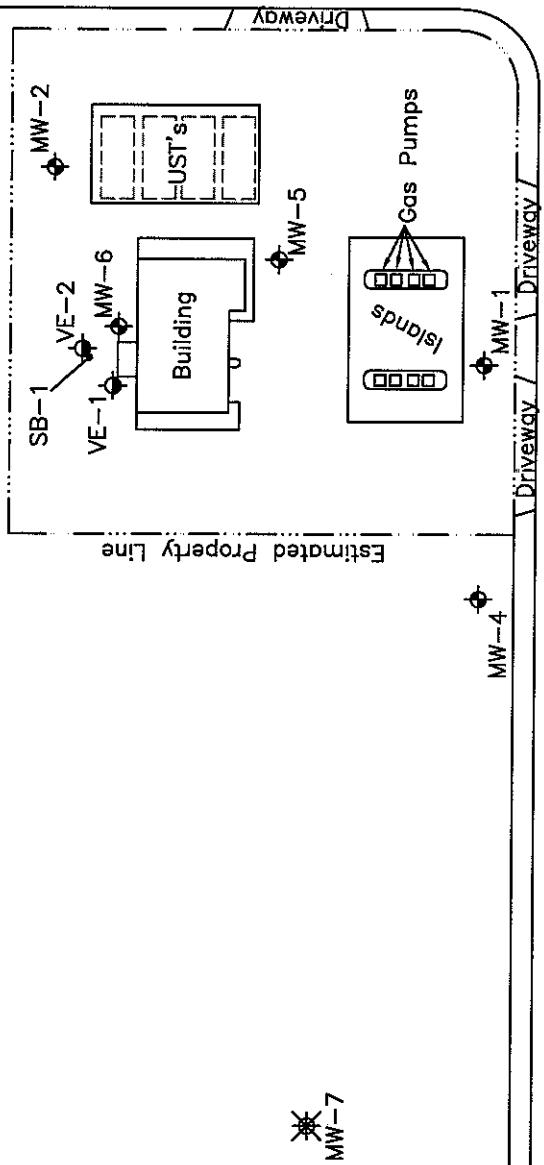
1

PROJECT NUMBER:
ROB01.001



MW-3

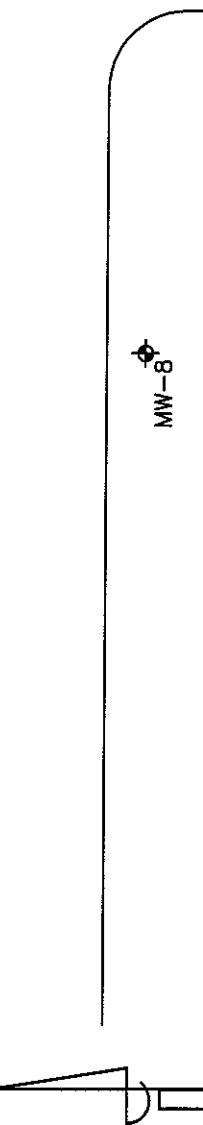
FULTON ROAD



LEGEND

- Soil Boring Location
- ✖ Destroyed Monitoring Well
- ◆ Groundwater Monitoring Well
- ◆ Vapor Extraction Well

GUERNEVILLE ROAD



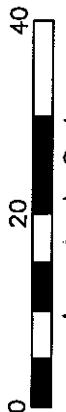
SITE PLAN MAP

FIGURE
2

Rotten Robbies
2515 Guerneville Road
Santa Rosa, California

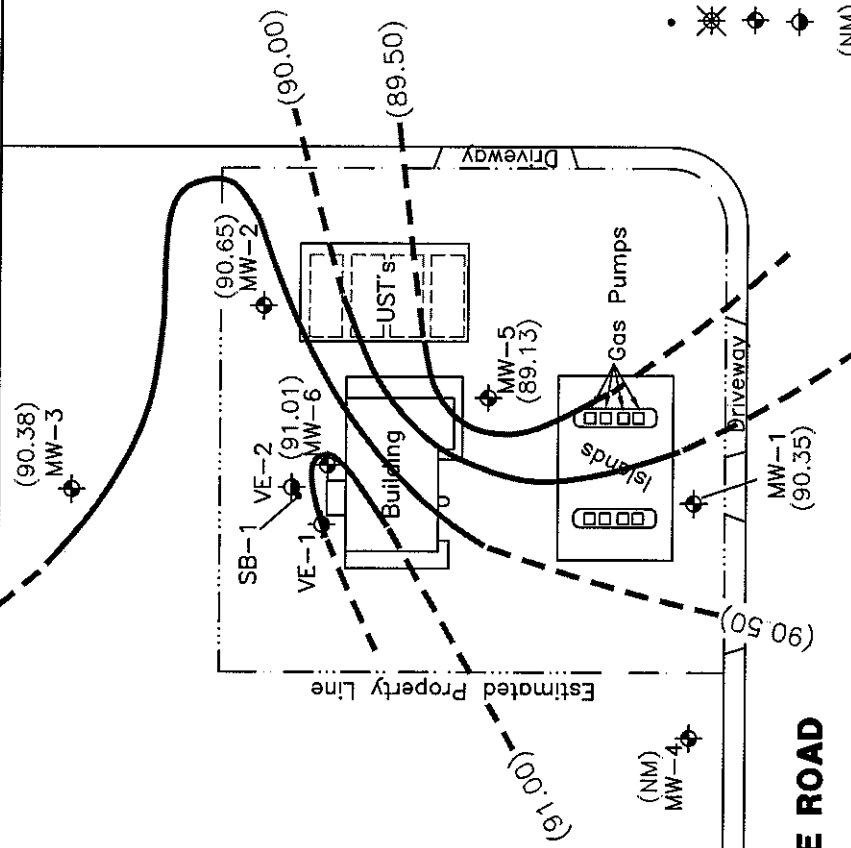


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DATE:	05/16/05
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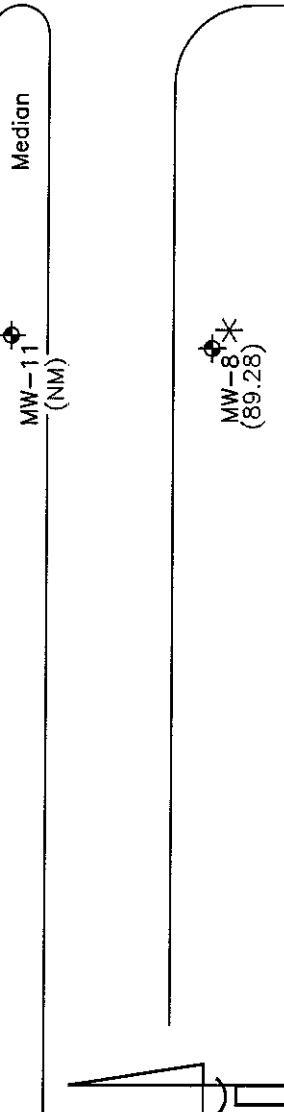


PROJECT NUMBER:
ROB01.001

FULTON ROAD



GUERNVILLE ROAD



LEGEND

- Soil Boring Location
- ✖ Destroyed Monitoring Well
- ❖ Groundwater Monitoring Well
- ◆ Vapor Extraction Well
- (NM) Not Measured
- * Not Used To Construct Gradient Map
- (91.00) - Groundwater Contour Line;
Dashed Where Interred
(Contour Interval = 0.50 ft.)
- 0.035 FT/FT Approximate Groundwater Gradient And Flow Direction

GROUNDWATER CONTOUR MAP, MARCH 24, 2005

FIGURE
3

Rotten Robbies
2515 Guerneville Road
Santa Rosa, California

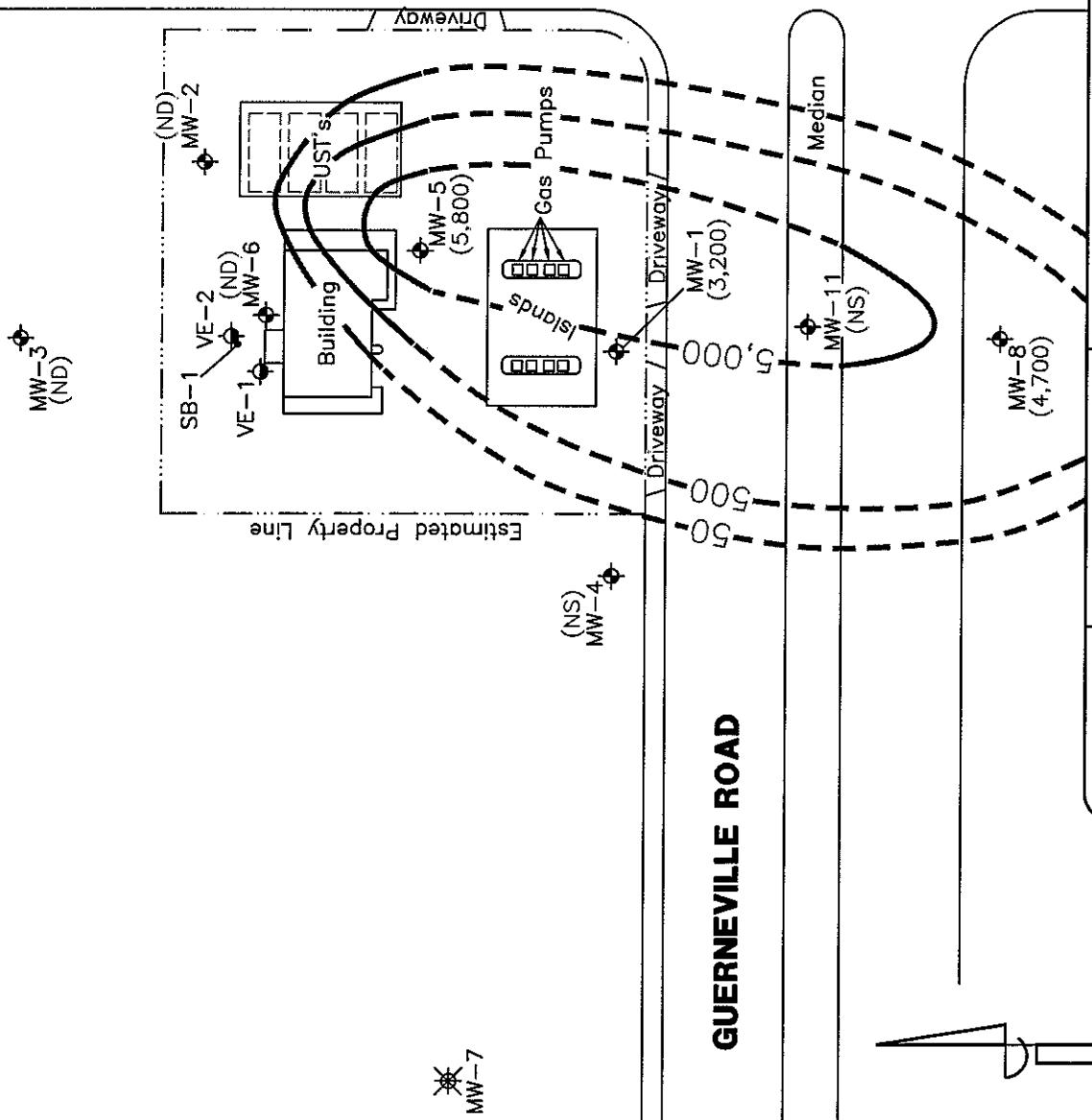
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N
0 20 40
Approximate Scale
1 inch = 20 feet

FULTON ROAD



TPHg IN GROUNDWATER ISOCONCENTRATION MAP: MARCH 24, 2005

FIGURE

4

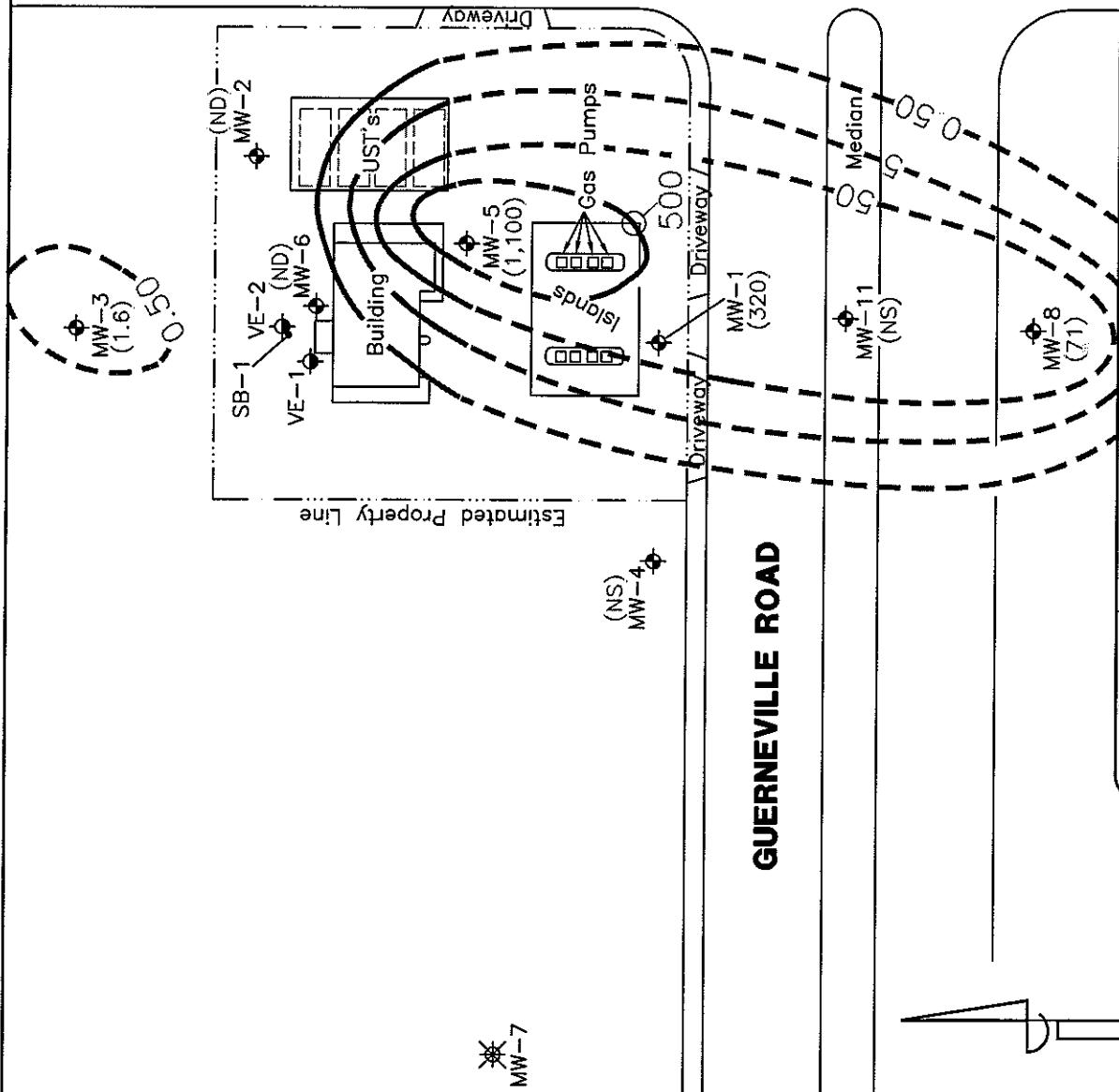
Rotten Robbles
2515 Guerneville Road
Santa Rosa, California

PROJECT NUMBER:
ROBO1.001

FULTON ROAD

LEGEND

- Soil Boring Location
- ✗ Destroyed Monitoring Well
- ◆ Groundwater Monitoring Well
- ◆ Vapor Extraction Well
- (1,100) Concentration Of Benzene In Groundwater Measured In ug/L
- Line Of Equal Concentration Of Benzene In Groundwater Measured In ug/L; Dashed Where Inferred
- (ND) Not Detected
- (NS) Not Sampled



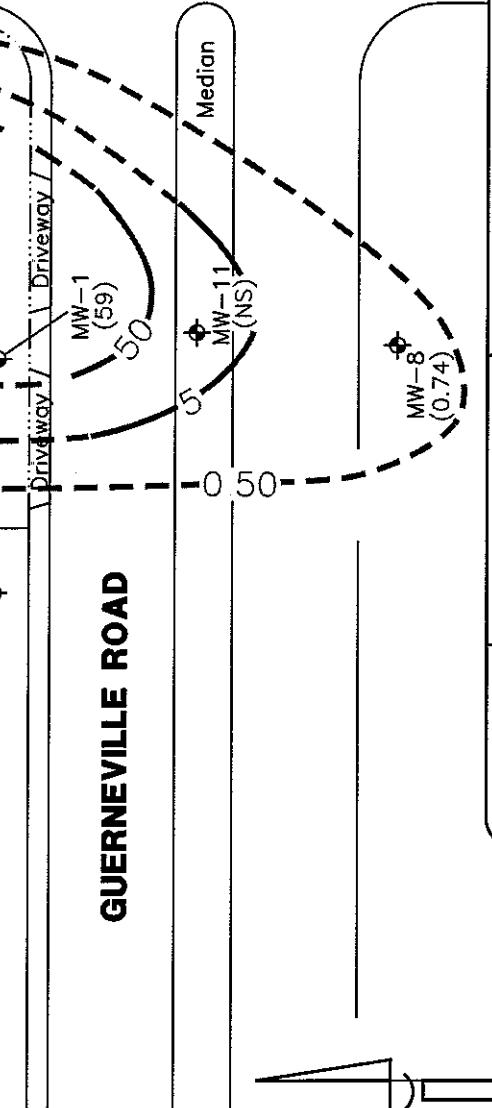
DRAWN BY: J. Curry DATE: 05/11/05		FIGURE 5	
REVISIONS		PROJECT NUMBER: ROB01.001	
BENZENE IN GROUNDWATER ISOCCONCENTRATION MAP, MARCH 24, 2005 Robbies 2515 Guerneville Road Santa Rosa, California			

FULTON ROAD

Estimated Property Line

LEGEND

- Soil Boring Location
- ※ Destroyed Monitoring Well
- ◆ Groundwater Monitoring Well
- ◆ Vapor Extraction Well
- (160) Concentration Of MTBE In Groundwater Measured In ug/L
- Line Of Equal Concentration Of MTBE In Groundwater Measured In ug/L; Dashed Where Inferred
- 50 (ND) Not Detected
- (NS) Not Sampled



GUERNEVILLE ROAD



N
Approximate Scale
1 inch = 20 feet

DRAWN BY:	J. Curry
DATE:	05/11/05
REVISIONS	



40
20
0
Approximate Scale
1 inch = 20 feet

MTBE IN GROUNDWATER ISOCONCENTRATION MAP, MARCH 24, 2005

FIGURE
6

Rotten Robbies
2515 Guerneville Road
Santa Rosa, California

PROJECT NUMBER:
ROBO1.001

TABLES

TABLE 1
WELL CONSTRUCTION DETAILS
Rotten Robbie Service Station No. 40
2515 Guerneville Road, Santa Rosa, California

Well Number	Well Installation Date	Elevation TOC (feet)	Casing Material	Total Depth (feet)	Well Depth (feet)	Casing Diameter (inches)	Screened Interval (feet)	Filter Pack Interval (feet)
MW-1	10/25/89	95.37	---	30	30	4	8 - 30	6 - 30
MW-2	10/25/89	95.81	---	20	20	4	7 - 20	5 - 20
MW-3	10/26/89	94.50	---	20	20	4	7 - 20	5 - 20
MW-4	6/12/90	94.50	---	18.3	18.3	4	6 - 18.2	5 - 18.2
MW-5	6/12/90	96.44	---	18.3	18.3	4	6 - 18.2	5 - 18.2
MW-6	6/12/90	96.69	---	18.3	18.3	4	6 - 18.2	5 - 18.2
MW-8	5/24/91	95.53	---	19	19	4	7 - 19	5 - 19
MW-11		96.28						

Notes:

--- = Information not available

TOC = Top of Casing

MW-11 has been released to another responsible party

TABLE 2
GROUNDWATER ELEVATION DATA
Rotten Robbie Service Station #40
2515 Guerneville Road, Santa Rosa, California
(All measurements are in feet)

Monitoring Well	Date	Reference Elevation* (MSL)	Depth to Groundwater (Feet)	Groundwater Elevation Feet)	Groundwater Flow Direction
MW-1	9/16/93	95.36	8.36	87.00	
	12/9/93		8.66	86.70	
	4/4/94		7.83	87.53	
	7/29/94		9.80	85.56	
	9/22/94		10.38	84.98	
	10/13/94		10.03	85.33	
	4/18/95		6.15	89.21	
	10/6/95		10.26	85.10	
	2/7/96		4.77	90.59	
	5/1/97		8.22	87.14	
	12/3/97		7.21	88.15	
	3/17/98		6.04	89.32	
	6/10/98		7.68	87.68	
	9/30/98		9.64	85.72	
	3/16/99		5.71	89.65	
	11/2/99	95.37	9.40	85.97	SW
	9/16/00		7.96	87.41	
	10/3/00		9.50	85.87	
	1/9/01		8.85	86.52	
	7/12/01		8.78	86.59	
	1/4/02		4.92	90.45	
	6/11/02		8.15	87.22	
	12/18/02		5.38	89.99	
	3/27/03		6.43	88.94	
	9/25/03		9.34	86.03	
	3/24/05		5.02	90.35	
MW-2	9/16/93	95.84	8.81	87.03	
	12/9/93		7.89	87.95	
	4/4/94		6.69	89.15	
	7/29/94		8.10	87.74	
	9/22/94		8.51	87.33	
	10/13/94		8.14	87.70	
	4/18/95		5.11	90.73	
	10/6/95		8.75	87.09	
	2/7/96		4.87	90.97	
	5/1/97		6.73	89.11	
	12/3/97		6.90	88.94	
	3/17/98		4.98	90.86	
	6/10/98		6.16	89.68	
	9/30/98		8.30	87.54	
	3/16/99		5.02	90.82	
	11/2/99	95.81	8.47	87.34	
	6/16/00		6.96	88.85	
	10/3/00		8.36	87.45	
	1/9/01		8.12	87.69	
	1/4/02		4.73	91.08	
	6/11/02		7.15	88.66	
	12/18/02		6.77	89.04	
	3/27/03		6.28	89.53	
	9/25/03		8.14	87.67	
	3/24/05		5.16	90.65	

TABLE 2
GROUNDWATER ELEVATION DATA
Rotten Robbie Service Station #40
2515 Guerneville Road, Santa Rosa, California
(All measurements are in feet)

Monitoring Well	Date	Reference Elevation* (MSL)	Depth to Groundwater (Feet)	Groundwater Elevation Feet)	Groundwater Flow Direction
MW-3	9/16/93	95.80	8.06	87.74	
	12/9/93		6.48	89.32	
	4/4/94		6.23	89.57	
	7/29/94		6.54	89.26	
	9/22/94		7.01	88.79	
	10/13/94		6.57	89.23	
	4/18/95		3.81	91.99	
	10/6/95		7.70	88.10	
	2/7/96		3.77	92.03	
	5/1/97		5.49	90.31	
	12/3/97		5.37	90.43	
	3/17/98		4.40	91.40	
	6/10/98		4.98	90.82	
	9/30/98		7.11	88.69	
	3/16/99		4.57	91.23	
	11/2/99	95.79	7.56	88.23	
	6/16/00		6.73	89.06	
	10/3/00		7.06	88.73	
	1/9/01		7.74	88.05	
	1/4/02		4.31	91.48	
	6/11/02	94.50	7.22	87.28	
	12/18/02		5.62	88.88	
	3/27/03		8.16	86.34	
	9/25/03		5.93	88.57	
	3/24/05		4.12	90.38	SW
MW-4	9/16/93	94.02	9.30	84.72	
	12/9/93		7.39	86.63	
	4/4/94		6.81	87.21	
	7/29/94		8.59	85.43	
	9/22/94		9.27	84.75	
	10/13/94		---	---	
	4/18/95		5.32	88.70	
	10/6/95		---	---	
	2/7/96		3.99	90.03	
	5/1/97		7.14	86.88	
	12/3/97		6.19	87.83	
	3/17/98		5.27	88.75	
	6/10/98		6.81	87.21	
	9/30/98		8.61	85.41	
	3/16/99		5.06	88.96	
	11/2/99	94.50	8.19	86.31	
	6/16/00		7.05	87.45	
	10/3/00		8.41	86.09	
	1/9/01		7.92	86.58	
	1/4/02		4.05	90.45	
	6/11/02		7.22	87.28	
	12/18/02		4.38	90.12	
	3/27/03		5.57	88.93	
	9/25/03		8.48	86.02	
	3/24/05		---	---	SW

TABLE 2
GROUNDWATER ELEVATION DATA
Rotten Robbie Service Station #40
2515 Guerneville Road, Santa Rosa, California
(All measurements are in feet)

Monitoring Well	Date	Reference Elevation* (MSL)	Depth to Groundwater (Feet)	Groundwater Elevation Feet)	Groundwater Flow Direction
MW-5	9/16/93	96.01	10.61	85.40	
	12/9/93		9.22	86.79	
	4/4/94		7.99	88.02	
	7/29/94		9.87	86.14	
	9/22/94		10.43	85.58	
	10/13/94		8.20	87.81	
	4/18/95		6.75	89.26	
	10/6/95		10.42	85.59	
	2/7/96		6.51	89.50	
	5/1/97		8.41	87.60	
	12/3/97		7.89	88.12	
	3/17/98		5.89	90.12	
	6/10/98		7.30	88.71	
	9/30/98		9.77	86.24	
	3/16/99		6.03	89.98	
	11/2/99	96.44	9.84	86.60	
	6/16/00		8.27	88.17	
	10/3/00		9.81	86.63	
	1/9/01		9.31	87.13	
	7/12/01		9.17	87.27	
	1/4/02		6.02	90.42	
	6/11/02		8.22	88.22	
	12/18/02		8.30	88.14	
	3/27/03		6.76	89.68	
	9/25/03		9.24	87.20	
	3/24/05		7.31	89.13	SW
MW-6	9/16/93	96.22	10.33	85.89	
	12/9/93		9.21	87.01	
	4/4/94		7.69	88.53	
	7/29/94		9.38	86.84	
	9/22/94		9.92	86.30	
	10/13/94		8.68	87.54	
	4/18/95		6.12	90.10	
	10/6/95		10.10	86.12	
	2/7/96		5.76	90.46	
	5/1/97		8.08	88.14	
	12/3/97		7.96	88.26	
	3/17/98		5.93	90.29	
	6/10/98		7.78	88.44	
	9/30/98		9.45	86.77	
	3/16/99		5.98	90.24	
	11/2/99	96.69	9.68	87.01	
	6/16/00		8.06	88.63	
	10/3/00		9.47	87.22	
	1/9/01		9.29	87.40	
	7/12/01		8.91	87.78	
	1/4/02		5.40	91.29	
	6/11/02		8.11	88.58	
	12/18/02		7.82	88.87	
	3/27/03		6.76	89.93	
	9/25/03		9.15	87.54	
	3/24/05		5.68	91.01	SW

TABLE 2
GROUNDWATER ELEVATION DATA
Rotten Robbie Service Station #40
2515 Guerneville Road, Santa Rosa, California
(All measurements are in feet)

Monitoring Well	Date	Reference Elevation* (MSL)	Depth to Groundwater (Feet)	Groundwater Elevation Feet)	Groundwater Flow Direction
MW-7	9/16/93	93.44	8 59	84 85	
	12/9/93		6 79	86 65	
	4/4/94		6 07	87 37	
	7/29/94		8 33	85.11	
	9/22/94		8.69	84.75	
	10/13/94		---	---	
	4/19/95		4.71	88.73	
	10/6/95		Destroyed		
MW-8	9/16/93	93 07	8 83	84 24	
	12/9/93		7 27	85 80	
	4/4/94		5.94	87.13	
	7/29/94		8 30	84.77	
	9/22/94		8 93	84.14	
	10/13/94		---	---	
	4/18/95		---	---	
	10/6/95		---	---	
	2/7/96		---	---	
	3/17/98		4.24	88.83	
	6/10/98		7.88	85.19	
	9/30/98		8 25	84.82	
	3/16/99		4 26	88.81	
	11/2/99	93.53	7.67	85 86	
	6/16/00		6.49	87.04	
	10/3/00		7 88	85.65	
	1/9/01		6 90	86 63	
	1/4/02		3 07	90.46	
	6/11/02		6 58	86.95	
	12/18/02		3 59	89 94	
	3/27/03		4 99	88 54	
	9/25/03		8.01	85 52	
	3/24/05		4.25	89.28	SW
MW-11	3/24/05	96.28	---	---	

Note

--- -Measurement not taken

All measurement are in feet

MSL -Monitoring wells surveyed by Apex to msl

MW-11 is the responsibility of another consultant

TABLE 3
GROUNDWATER ANALYTICAL DATA
 Rotten Robbie Service Station #40
 2515 Guerneville Road, Santa Rosa, California

Sample ID	Date	TPH as Gasoline (ug/L)	Diesel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl benzene (ug/L)	Total Xylenes (ug/L)	Five Fuel Oxygenates (ug/L)	MTBE (ug/L)	DIPBE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)
MW-1	10/27/90	ND	ND	1.6	4.4	1.0	4.0	---	---	---	---	---	---	---	---
	3/21/90	140	280	20	0.30	1.9	1.4	---	---	---	---	---	---	---	---
	6/13/90	420	ND	93	5.5	8.4	11	---	---	---	---	---	---	---	---
	9/18/90	170	ND	28	1.3	2.5	4.9	---	---	---	---	---	---	---	---
	12/20/90	ND	60	8.9	0.40	1.0	0.90	---	---	---	---	---	---	---	---
	3/20/91	91	ND	11	ND	2.0	1.0	---	---	---	---	---	---	---	---
	6/19/91	89	ND	23	1.6	3.4	5.3	---	---	---	---	---	---	---	---
	9/26/91	120	ND	36	ND	11	9.7	---	---	---	---	---	---	---	---
	12/30/91	78	ND	0.80	ND	ND	ND	---	---	---	---	---	---	---	---
	3/18/92	ND	--	2.8	ND	ND	ND	---	---	---	---	---	---	---	---
	6/17/92	ND	ND	11	ND	1.6	1.5	---	---	---	---	---	---	---	---
	9/24/92	210	--	16	0.9	1.9	2.5	---	---	---	---	---	---	---	---
	12/10/92	220	--	7.4	ND	1.6	2.2	---	---	---	---	---	---	---	---
	3/9/93	190	--	2.4	ND	1.0	1.2	---	---	---	---	---	---	---	---
	9/16/93	280	--	37	3.5	6.8	8.8	---	---	---	---	---	---	---	---
	4/4/94	160	--	14	0.50	1.5	2.1	---	---	---	---	---	---	---	---
	10/13/94	370	--	67	3.5	5.8	10	---	---	---	---	---	---	---	---
	4/18/95	380	--	59	3.0	2.6	9.2	---	---	---	---	---	---	---	---
	10/6/95	1,100	--	220	5.8	9.3	21	---	---	---	---	---	---	---	---
	2/7/96	200	--	54	ND	1.3	3.4	120	---	---	---	---	---	---	---
	5/1/97	1,200	--	240	8.1	14	34	130	---	---	---	---	---	---	---
	12/3/97	540	--	130	1.3	4.3	7.1	210	---	---	---	---	---	---	---
	3/17/98	320	--	89	0.69	3.0	3.7	230	---	---	---	---	---	---	---
	6/10/98	7,000	--	2,500	71	140	390	130	---	---	---	---	---	---	---
	9/30/98	1,700	--	790	9.6	17	49	340	---	---	---	---	---	---	---
	3/16/99	970	--	300	8.6	5.5	20	210	---	---	---	---	---	---	---
	11/2/99	760	--	190	<2.5	5.6	11	130	---	---	---	---	---	---	---
	6/16/00	1,100	--	330	6.8	10	22	260	---	---	---	---	---	---	---
	10/3/00	2,000	--	480	8.1	45	44	240	---	---	---	---	---	---	---
	1/9/01	780	--	140	1.8	2.7	12	210	---	---	---	---	---	---	---
	7/12/01	2,500	--	860	25	120	210	230	---	---	---	---	---	---	---
	1/4/02	980	--	130	4.0	2.1	11	290	---	---	---	---	---	---	---
	6/11/02	2,600	--	790	13	36	64	280	---	---	---	---	---	---	---
	12/18/02	2,300	--	550	<10	<10	<20	340	---	---	---	---	---	---	---
	3/27/03	2,700	380	810	48	8.6	41	460	---	---	---	---	---	---	---
	9/25/03	3,900	--	1,300	<12.5	18	<25	310	---	---	---	---	---	---	---
	3/24/05	3,200	--	320	3.4	17	27	59	1.6	<0.50	660	<0.50	660	<0.50	<0.50

TABLE 3
GROUNDWATER ANALYTICAL DATA
 Rotten Robbie Service Station #40
 2515 Guerneville Road, Santa Rosa, California

Sample ID	Date	TPH as Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl benzene (ug/L)	Xylenes (ug/L)	Total (ug/L)	Five Fuel Oxygenates				1,2-DCA (ug/L)	EDB (ug/L)
								MTBE (ug/L)	DPE (ug/L)	ETBE (ug/L)	TAME (ug/L)		
MW-2	3/9/93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/16/93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/4/94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/13/94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/18/95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/6/95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/7/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/1/97	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	3/17/98	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	6/10/98	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	9/30/98	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	3/16/99	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	11/2/99	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	6/16/00	<60	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	10/3/00	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	1/9/01	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	7/12/01	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	1/4/02	<60	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	6/11/02	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	12/18/02	<60	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	3/27/03	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	9/25/03	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	3/24/05	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
MW-3	3/9/93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/16/93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/4/94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/13/94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/18/95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/6/95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/7/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5/1/97	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	3/17/98	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	6/1/98	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	9/30/98	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	1/9/01	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	3/16/99	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	11/2/99	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	6/16/00	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	10/3/00	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	1/9/01	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	7/12/01	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	1/4/02	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	6/1/02	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	12/18/02	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	3/27/03	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	9/25/03	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
	3/24/05	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50

TABLE 3
GROUNDWATER ANALYTICAL DATA
Rotten Robbie Service Station #40
2515 Guerneville Road, Santa Rosa, California

Sample ID	Date	TPH as Gasoline (ug/L)	Diesel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl benzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	DPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	1,2-DCA (ug/L)	EDB (ug/L)
MW-4	3/9/93	ND	---	ND	ND	0.50	ND	ND	ND	ND	ND	ND	ND	ND
	9/16/93	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4/4/94	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/13/94	---	---	---	---	---	---	---	---	---	---	---	---	---
	4/18/95	---	---	---	---	---	---	---	---	---	---	---	---	---
	10/6/95	---	---	---	---	---	---	---	---	---	---	---	---	---
	2/7/96	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/3/97	<50	---	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	20	---	---	---
	5/1/97	<50	---	<5.0	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---
	3/17/98	75	---	8.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	480	---	---	---
	9/30/98	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14	---	---	---
	3/16/99	140	---	25	7.0	4.8	1.1	14	---	---	---	---	---	---
	11/29/99	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---
	1/9/01	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	5.4	---	---	---
	1/4/02	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---
	6/11/02	<50	---	5.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	14	---	---	---
	12/18/02	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---
	3/27/03	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	---	---	---
	9/25/03	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	---	---	---
	3/24/05	---	---	---	---	---	---	---	---	---	5.2	---	---	---
MW-5	6/13/90	4,400	ND	420	490	110	550	---	---	---	---	---	---	---
	9/18/90	10,100	ND	2,600	450	260	800	---	---	---	---	---	---	---
	12/20/90	3,200	ND	460	130	51	180	---	---	---	---	---	---	---
	3/20/91	8,800	ND	1,700	670	170	870	---	---	---	---	---	---	---
	6/16/91	22,000	370	4,000	1,900	460	2,500	---	---	---	---	---	---	---
	9/26/91	21,000	ND	6,400	2,300	780	3,400	---	---	---	---	---	---	---
	12/30/91	8,700	---	2,900	740	260	960	---	---	---	---	---	---	---
	3/18/92	4,100	---	1,100	300	120	480	---	---	---	---	---	---	---
	6/17/92	3,000	---	1,800	410	280	610	---	---	---	---	---	---	---
	9/24/92	5,400	---	1,800	410	240	600	---	---	---	---	---	---	---
	12/10/92	6,600	---	1,700	330	170	580	---	---	---	---	---	---	---
	3/9/93	5,200	---	1,300	210	120	530	---	---	---	---	---	---	---
	9/16/93	7,600	---	3,400	380	350	1,100	---	---	---	---	---	---	---
	4/4/94	5,100	---	2,000	110	210	510	---	---	---	---	---	---	---
	10/13/94	5,900	---	1,600	65	150	420	---	---	---	---	---	---	---
	4/18/95	26,000	---	3,500	140	410	940	---	---	---	---	---	---	---
	10/6/95	18,000	---	2,800	57	230	540	---	---	---	---	---	---	---
	2/7/96	7,100	---	2,300	ND	160	230	82	---	---	---	---	---	---
	5/1/97	12,000	---	2,300	60	280	300	260	---	---	---	---	---	---
	12/3/97	4,700	---	3,100	24	130	200	440	---	---	---	---	---	---
	3/17/98	9,300	---	3,100	64	180	280	490	---	---	---	---	---	---
	6/10/98	11,000	---	3,700	160	260	380	390	---	---	---	---	---	---
	9/30/98	9,800	---	2,700	75	240	280	470	---	---	---	---	---	---
	3/16/99	9,600	---	3,500	59	300	490	490	---	---	---	---	---	---
	11/29/99	7,300	---	2,600	25	140	130	440	---	---	---	---	---	---
	6/16/00	14,000	---	5,900	110	420	480	830	---	---	---	---	---	---
	10/3/00	5,000	---	1,500	20	76	62	520	---	---	---	---	---	---
	1/9/01	4,600	---	1,400	16	110	120	580	---	---	---	---	---	---
	7/12/01	8,700	---	3,800	66	260	300	650	---	---	---	---	---	---
	1/4/02	7,100	---	2,200	<50	170	140	650	---	---	---	---	---	---
	6/11/02	14,000	---	5,400	160	430	490	740	---	---	---	---	---	---
	12/18/02	4,100	---	1,700	<12.5	<25	660	---	---	---	---	---	---	---
	3/27/03	7,000	---	3,100	170	<50	120	990	---	---	---	---	---	---
	9/25/03	8,300	---	5,000	40	230	84	640	---	---	---	---	---	---
	3/24/05	5,800	---	1,100	64	100	110	160	---	---	<2.5	750	---	<2.5

TABLE 3
GROUNDWATER ANALYTICAL DATA
 Rotten Robbie Service Station #40
 2515 Guerneville Road, Santa Rosa, California

Sample ID	Date	IPH as Gasoline (ug/L)	IPH as Diesel (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl benzene (ug/L)	Total Xylenes (ug/L)	Five Fuel Oxygenates					1,2-DCA (ug/L)	EDB (ug/L)
								MTBE (ug/L)	DIPN (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)		
MW-6	6/13/90	41000	—	12000	2000	1000	3100	—	—	—	—	—	—	—
	9/18/90	17300	—	8700	610	260	1300	—	—	—	—	—	—	—
	12/20/90	5100	—	710	93	91	220	—	—	—	—	—	—	—
	3/20/91	11000	—	4800	160	480	900	—	—	—	—	—	—	—
	6/19/91	25000	—	6600	750	1700	3300	—	—	—	—	—	—	—
	9/26/91	14000	—	5400	920	720	2500	—	—	—	—	—	—	—
	12/30/91	22000	—	2800	1100	1500	4700	—	—	—	—	—	—	—
	3/18/92	2400	—	750	ND	180	200	—	—	—	—	—	—	—
	6/17/92	6100	—	3300	ND	1200	1400	—	—	—	—	—	—	—
	9/24/92	19000	—	3700	450	4500	2100	—	—	—	—	—	—	—
	12/10/92	13000	—	2100	190	740	1500	—	—	—	—	—	—	—
	3/9/93	2700	—	590	ND	120	160	—	—	—	—	—	—	—
	9/16/93	2900	—	990	59	160	280	—	—	—	—	—	—	—
	4/4/94	1800	—	100	2.2	34	32	—	—	—	—	—	—	—
	10/13/94	2700	—	680	19	100	230	—	—	—	—	—	—	—
	4/18/95	1400	—	100	2.0	10	270	—	—	—	—	—	—	—
	10/6/95	5600	—	820	18	130	350	—	—	—	—	—	—	—
	2/7/96	420	—	15	ND	8.6	0.83	17	—	—	—	—	—	—
	5/1/97	470	—	74	20	13	26	21	—	—	—	—	—	—
	12/3/97	220	—	36	0.73	3.8	9.4	14	—	—	—	—	—	—
	3/17/98	72	—	75	<0.50	<0.50	<0.50	340	—	—	—	—	—	—
	9/30/98	1800	—	390	11	57	71	46	—	—	—	—	—	—
	3/16/99	120	—	190	3.1	0.89	2.9	140	—	—	—	—	—	—
	11/2/99	680	—	180	5.0	16	13	21	—	—	—	—	—	—
	6/16/00	450	—	69	<2.5	6.9	6.1	420	—	—	—	—	—	—
	10/3/00	550	—	120	2.7	9.2	6.0	29	—	—	—	—	—	—
	1/9/01	290	—	63	2.0	6.4	6.6	74	—	—	—	—	—	—
	7/12/01	420	—	65	<2.5	6.2	6.1	74	—	—	—	—	—	—
	1/4/02	190	—	87	<0.50	0.97	<0.50	49	—	—	—	—	—	—
	6/11/02	<250	—	54	<2.5	<2.5	<5.0	400	—	—	—	—	—	—
	12/18/02	320	—	120	<2.5	<2.5	<5.0	100	—	—	—	—	—	—
	3/27/03	<250	—	<2.5	<2.5	<2.5	<5.0	200	—	—	—	—	—	—
	9/25/03	530	—	<1.0	<1.0	<2.0	16	—	—	—	—	—	—	—
	3/24/05	<50	—	<0.50	<0.50	<0.50	12	<0.50	<0.50	<0.50	6.7	<0.50	—	—
MW-7	3/9/93	ND	—	ND	ND	—	—	—	—	—	—	—	—	—
	9/16/93	—	—	—	—	—	—	—	—	—	—	—	—	—
	4/4/94	—	—	—	—	—	—	—	—	—	—	—	—	—
	10/13/94	—	—	—	—	—	—	—	—	—	—	—	—	—
	4/18/95	—	—	—	—	—	—	—	—	—	—	—	—	—
	10/6/95	Destroyed	—	—	—	—	—	—	—	—	—	—	—	—

TABLE 3
GROUNDWATER ANALYTICAL DATA
 Roten Robbie Service Station #40
 2515 Guerneville Road, Santa Rosa, California

Sample ID	Date	TPH as Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl benzene (ug/L)	Total Xylenes (ug/L)	Five Fuel Oxygenates (ug/L)				1,2-DCA (ug/L)	EDB (ug/L)
							MTBE	DPE	ETBE	TAME	TBA	
MW-8	3/9/93	7100	---	170	---	---	---	---	---	---	---	---
	9/16/93	---	---	---	---	---	---	---	---	---	---	---
	4/4/94	---	---	---	---	---	---	---	---	---	---	---
	10/13/94	---	---	---	---	---	---	---	---	---	---	---
	4/18/95	---	---	---	---	---	---	---	---	---	---	---
	10/6/95	---	---	---	---	---	---	---	---	---	---	---
	2/7/96	---	---	---	---	---	---	---	---	---	---	---
	3/11/98	87	---	0.9	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
	6/10/98	2400	---	79	9.5	5.5	27	86	---	---	---	---
	9/30/98	350	---	48	0.60	10	<0.50	<5.0	---	---	---	---
	3/16/99	65	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
	11/2/99	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
	6/16/00	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
	10/3/00	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
	1/9/01	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
	7/12/01	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
	1/4/02	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
	6/17/02	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
	12/18/02	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
	3/27/03	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
	9/25/03	<50	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	---
	3/24/05	4700	---	71	6.6	150	56	0.74	<0.50	<0.50	<0.50	---
MW-11	3/24/05	---	---	---	---	---	---	---	---	---	---	---

NOTES:

TPH = Total Petroleum Hydrocarbons

MTBE = Methyl Tertiary Butyl Ether

DPE = Di-isopropyl Ether

ETBE = Ethyl Tertiary Butyl Ether

TAME = Tertiary Amyl Methyl Ether

TBA = Tertiary Butanol

1,2-DCA = 1,2-Dichloroethane

EDB = Ethylene dibromide

ug/L - micrograms per Liter

--- = Not sampled

MW-11 is the responsibility of another consultant

APPENDIX A

APEX STANDARD OPERATING PROCEDURES

APEX ENVIROTECH, INC.
STANDARD OPERATING PROCEDURES
Quarterly Monitoring Reports

SOP – 4
SAMPLE IDENTIFICATION AND CHAIN-OF-CUSTODY PROCEDURES

Sample identification and chain-of-custody procedures ensure sample integrity as well as document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis is labeled to identify the job number, date, time of sample collection, a sample number unique to the sample, any in-field measurements made, other pertinent field observations also recorded on the field excavation or boring logs.

Chain-of-custody forms are used to record possession of the sample from time of collection to arrival at the laboratory. During shipment, the person with custody of the samples will relinquish them to the next person by signing the chain-of-custody form(s) and noting the date and time. The sample control officer at the laboratory will verify sample integrity, correct preservation, confirm collection in the proper container(s), and ensure adequate volume for analysis.

If these conditions are met, the samples will be assigned unique laboratory log numbers for identification throughout analysis and reporting. The log numbers will be recorded on the chain-of-custody forms and in the legally-required log book maintained in the laboratory. The sample description, date received, client's name, and any other relevant information will also be recorded.

SOP – 5
LABORATORY ANALYTICAL QUALITY ASSURANCE AND CONTROL

In addition to routine instrument calibration, replicates, spikes, blanks, spiked blanks, and certified reference materials are routinely analyzed at method-specific frequencies to monitor precision and bias. Additional components of the laboratory Quality Assurance/Quality Control program include:

- 1 Participation in state and federal laboratory accreditation/certification programs;
- 2 Participation in both U.S. EPA Performance Evaluation studies (WS and WP studies) and inter-laboratory performance evaluation programs;
- 3 Standard operating procedures describing routine and periodic instrument maintenance;
- 4 "out-of-Control"/Corrective Action documentation procedures; and,
- 5 Multi-level review of raw data and client reports.

SOP – 7
GROUNDWATER PURGING AND SAMPLING

Prior to water sampling, each well is purged by evacuating a minimum of three wetted well-casing volumes of groundwater. When required, purging will continue until either the discharge water temperature, conductivity, or pH stabilize, a maximum of ten wetted-casing volumes of groundwater have been recovered, or the well is bailed dry.

When practical, the groundwater sample should be collected when the water level in the well recovers to at least 80 percent of its static level.

The sampling equipment consists of either a "Teflon" bailer, PVC bailer, or stainless steel bladder pump with a "Teflon" bladder. If the sampling system is dedicated to the well, then the bailer is usually "Teflon," but the bladder pump is PVC with a polypropylene bladder. In general and depending on the intended laboratory analysis, 40-milliliter glass, volatile organic analysis (VOA) vials, with "Teflon" septa, are used as sample containers.

SOP – 12
MEASURING LIQUID LEVELS USING WATER LEVEL METER OR INTERFACE PROBE

Field equipment used for liquid-level gauging typically includes the measuring instrument (water-level meter or interface probe and product bailer(s)). The field kit also includes cleaning supplies (buckets, solution, spray bottles, and deionized water) to be used in cleaning the equipment between wells.

Prior to measurements, the instrument tip is lowered into the well until it touches bottom. Using the previously established top-of-casing or top-of-box (i.e., wellhead vault) point, the probe cord (or halyard) is marked and a measuring tape (graduated in hundredths of a foot) is used to determine the distance between the probe end and the marking on the cord. This measurement is then recorded on the liquid-level data sheet as the "Measured Total Depth" of the well.

When necessary in using the interface probe to measure liquid levels, the probe is first electrically grounded to either the metal stove pipe or another metal object nearby. When no ground is available, reproducible measurements can be obtained by clipping the ground lead to the handle of the interface probe case.

The probe tip is then lowered into the well and submerged in the groundwater. An oscillating (beeping) tone indicates the probe is in water. The probe is slowly raised until either the oscillating tone ceases or becomes a steady tone. In either case, this is the depth-to-water (DTW) indication of the DTW measurement is made accordingly. The steady tone indicates floating liquid hydrocarbons (FLH). In this case, the depth-to-product (DTP) indication and the DTP measurement is made accordingly.

The process of lowering and raising the probe must be repeated several times to ensure accurate measurements. The DTW and DTP measurements are recorded on the liquid-level data sheet. When FLH are indicated by the probe's response, a product bailer is lowered partially through the FLH water interface to confirm the FLH thickness, particularly in cases where the FLH layer is quite thin. This measurement is recorded on the data sheet as "FLH thickness."

In order to avoid cross-contamination of wells during the liquid-level measurement process, wells are measured in the order of "clean" to "dirty" (where such information is available). In addition, all measurement equipment is cleaned with solution and thoroughly rinsed with deionized water before use, between measurements in respective wells, and at the completion of the day's use.

APPENDIX B

FIELD DATA SHEETS

APPENDIX C

LABORATORY ANALYTICAL REPORT AND

CHAIN-OF-CUSTODY FORM



2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Project Contact (Hardcopy or PDF To):

Rebekah Westrup

Company / Address:
Apex Envirotech, Inc.
Pyrites Wy, Gold River, CA 95670
Phone No.: 916-851-0174 **Fax No.:** 916-851-0177
Project Number: P.O. No.: ROB01.001-QM

Project Name:
Rotten Robbie Station #40

Project Address:
2515 Guerneville Road, Santa Rosa

California EDF Report? Yes No

Lab No. 42964 **Page** 1 of 1

Chain-of-Custody Record and Analysis Request						
Analysis Request						
Recommended but not mandatory to complete this section:						
Sampling Company Log Code: APEF						
Global ID:	T0609700545					
EDF Deliverable To (Email Address):	rwestrup@apexenvirotech.com					
Sampler Signature:	<i>Chris Bess</i>					
Sampling	Container	Preservative	Matrix	SOL	WATER	SOIL
Sample Designation	Date	Time	SLUDGE	HCl	HNO ₃	ICP
MW-1	3/24/05	1630	X	X	X	X
MW-2	1610	X	X	X	X	X
MW-3	1540	X	X	X	X	X
MW-4			X	X	X	X
MW-5	1645	X	X	X	X	X
MW-6			X	X	X	X
MW-8	1655	X	X	X	X	X
MW-11			X	X	X	X
MW-5	1620	X	X	X	X	X
Relinquished by:	Date	Time	Received by:	Remarks:		
<i>Chris Bess/APEF</i>	3-24-05	1:30	<i>Chris Bess/APEF</i>			
Relinquished by:	Date	Time	Received by:	Bill to:		
	03/24/05	1:30	WES	WES Environmental Analytical Services LLC		
Relinquished by:	Date	Time	Received by Laboratory:			
	03/24/05	1:30	WES	WES Environmental Analytical Services LLC		



2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

ANALYTICAL LLC

Project Contact (Hardcopy or PDF To):
Rebekah Westrup

California EDF Report? Yes No

Company / Address:
Apex Envirotech, Inc.
Pynies Wy., Gold River, CA 95670
Phone No.: Fax No.: 916-851-0177
Project Number: P.O. No.: ROB01.001-QM

Global ID: T0609700545
EDF Deliverable To (Email Address): rwestrup@apexenvirotech.com

Project Name:
Rotten Robbie Station #40
Project Address:
2515 Guerneville Road, Santa Rosa

Sampling Date: 3/24/08 Time: 1630
Sample Designation: MW-1

Sampling Date: 3/24/08 Time: 1630
Sample Designation: MW-2

Sampling Date: 3/24/08 Time: 1540
Sample Designation: MW-3

Sampling Date: 3/24/08 Time: 1645
Sample Designation: MW-4

Sampling Date: 3/24/08 Time: 1645
Sample Designation: MW-5

Sampling Date: 3/24/08 Time: 1645
Sample Designation: MW-6

Sampling Date: 3/24/08 Time: 1645
Sample Designation: MW-7

Sampling Date: 3/24/08 Time: 1645
Sample Designation: MW-8

Sampling Date: 3/24/08 Time: 1645
Sample Designation: MW-9

Sampling Date: 3/24/08 Time: 1645
Sample Designation: MW-10

Sampling Date: 3/24/08 Time: 1645
Sample Designation: MW-11

Analysis Request										Chain-of-Custody Record and Analysis Request		
										TAT		
Lead (7421/2392)	TOTAL	W.E.T.								12hr	○	
Volatile Halocarbons (EPA 8260B)										24hr	○	
EPA 8260B (Full List)										48hr	○	
Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)										72hr	○	
7 Oxigenates (8260B)										1wk	○	
5 Oxigenates (8260B)										2wk	○	
7 Oxigenates/TPH Gas (8260B)												
TPH Gas/BTEX/MTBE (8260B)												
TPH as Diesel (M8015)												
BTEX/TPH Gas/MTBE (8021B/M8015)												
BTEX (8021B)												
SAMPLE	SOIL	WATER	ICE	HNO ₃	HCl	POLY	AMBER	SELEVE	40 ml VOA	Container	Preservative	Matrix
MW-1	X	X	X	X	X	X	X	X	X	X	X	
MW-2	X	X	X	X	X	X	X	X	X	X	X	1 wk O1
MW-3	X	X	X	X	X	X	X	X	X	X	X	1 wk O2
MW-4	X	X	X	X	X	X	X	X	X	X	X	1 wk O3
MW-5	X	X	X	X	X	X	X	X	X	X	X	1 wk O4
MW-6	X	X	X	X	X	X	X	X	X	X	X	1 wk O5
MW-7	X	X	X	X	X	X	X	X	X	X	X	1 wk O6
MW-8	X	X	X	X	X	X	X	X	X	X	X	1 wk O7
MW-9	X	X	X	X	X	X	X	X	X	X	X	1 wk O8
MW-10	X	X	X	X	X	X	X	X	X	X	X	1 wk O9
MW-11	X	X	X	X	X	X	X	X	X	X	X	1 wk O10

Relinquished by: *Chris Bess/Apex* Date: 3/24/08 Time: 1730 Received by: *Chris Bess/Apex*

Relinquished by: Date: Time: Received by: *Wesley K. Lawrence*

Relinquished by: Date: Time: Received by: *John Andruszak LLC*

Remarks:



Report Number : 42969

Date : 3/30/2005

Rebekah Westrup
Apex Envirotech Inc
11244 Pyrites Way
Gold River, CA 95670-4481

Subject : 6 Water Samples
Project Name : Rotten Robbie Station #40
Project Number : ROB01 001-QM

Dear Ms Westrup,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff



Report Number : 42969

Date : 3/30/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-1

Matrix : Water

Lab Number : 42969-01

Sample Date : 3/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	320	0.50	ug/L	EPA 8260B	3/29/2005
Toluene	3.4	0.50	ug/L	EPA 8260B	3/29/2005
Ethylbenzene	17	0.50	ug/L	EPA 8260B	3/29/2005
Total Xylenes	27	0.50	ug/L	EPA 8260B	3/29/2005
Methyl-t-butyl ether (MTBE)	59	0.50	ug/L	EPA 8260B	3/29/2005
Diisopropyl ether (DIPE)	1.6	0.50	ug/L	EPA 8260B	3/29/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Tert-Butanol	660	5.0	ug/L	EPA 8260B	3/29/2005
TPH as Gasoline	3200	50	ug/L	EPA 8260B	3/29/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Toluene - d8 (Surr)	95.9		% Recovery	EPA 8260B	3/29/2005
4-Bromofluorobenzene (Surr)	109		% Recovery	EPA 8260B	3/29/2005
Dibromofluoromethane (Surr)	95.8		% Recovery	EPA 8260B	3/29/2005
1,2-Dichloroethane-d4 (Surr)	96.5		% Recovery	EPA 8260B	3/29/2005

Approved By: Joel Kiff



Report Number : 42969

Date : 3/30/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-2

Matrix : Water

Lab Number : 42969-02

Sample Date : 3/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Methyl-t-butyl ether (MTBE)	0.63	0.50	ug/L	EPA 8260B	3/29/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/29/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/29/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Toluene - d8 (Surr)	104		% Recovery	EPA 8260B	3/29/2005
4-Bromofluorobenzene (Surr)	98.6		% Recovery	EPA 8260B	3/29/2005
Dibromofluoromethane (Surr)	98.6		% Recovery	EPA 8260B	3/29/2005
1,2-Dichloroethane-d4 (Surr)	95.2		% Recovery	EPA 8260B	3/29/2005

Approved By: Joel Kiff



Report Number : 42969

Date : 3/30/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-3

Matrix : Water

Lab Number : 42969-03

Sample Date : 3/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	1.6	0.50	ug/L	EPA 8260B	3/29/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Total Xylenes	2.1	0.50	ug/L	EPA 8260B	3/29/2005
Methyl-t-butyl ether (MTBE)	1.5	0.50	ug/L	EPA 8260B	3/29/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/29/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/29/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	3/29/2005
4-Bromofluorobenzene (Surr)	98.1		% Recovery	EPA 8260B	3/29/2005
Dibromofluoromethane (Surr)	99.2		% Recovery	EPA 8260B	3/29/2005
1,2-Dichloroethane-d4 (Surr)	96.0		% Recovery	EPA 8260B	3/29/2005

Approved By: Joel Kiff



Report Number : 42969

Date : 3/30/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-6

Matrix : Water

Lab Number : 42969-04

Sample Date : 3/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Methyl-t-butyl ether (MTBE)	12	0.50	ug/L	EPA 8260B	3/29/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Tert-Butanol	6.7	5.0	ug/L	EPA 8260B	3/29/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/29/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	3/29/2005
4-Bromofluorobenzene (Surr)	97.0		% Recovery	EPA 8260B	3/29/2005
Dibromofluoromethane (Surr)	98.4		% Recovery	EPA 8260B	3/29/2005
1,2-Dichloroethane-d4 (Surr)	95.6		% Recovery	EPA 8260B	3/29/2005

Approved By: Joel Kiff



Report Number : 42969

Date : 3/30/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-8

Matrix : Water

Lab Number : 42969-05

Sample Date : 3/24/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	71	0.50	ug/L	EPA 8260B	3/29/2005
Toluene	6.6	0.50	ug/L	EPA 8260B	3/29/2005
Ethylbenzene	150	0.50	ug/L	EPA 8260B	3/29/2005
Total Xylenes	56	0.50	ug/L	EPA 8260B	3/29/2005
Methyl-t-butyl ether (MTBE)	0.74	0.50	ug/L	EPA 8260B	3/29/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/29/2005
TPH as Gasoline	4700	200	ug/L	EPA 8260B	3/29/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Toluene - d8 (Surr)	96.0		% Recovery	EPA 8260B	3/29/2005
4-Bromofluorobenzene (Surr)	97.9		% Recovery	EPA 8260B	3/29/2005
Dibromofluoromethane (Surr)	98.9		% Recovery	EPA 8260B	3/29/2005
1,2-Dichloroethane-d4 (Surr)	95.8		% Recovery	EPA 8260B	3/29/2005

Approved By: Joel Kiff



Report Number : 42969

Date : 3/30/2005

Project Name : Rotten Robbie Station #40

Project Number : ROB01.001-QM

Sample : MW-5

Matrix : Water

Lab Number : 42969-06

Sample Date : 3/24/2005

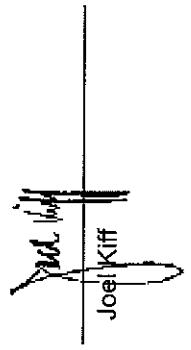
Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	1100	2.5	ug/L	EPA 8260B	3/29/2005
Toluene	64	2.5	ug/L	EPA 8260B	3/29/2005
Ethylbenzene	100	2.5	ug/L	EPA 8260B	3/29/2005
Total Xylenes	110	2.5	ug/L	EPA 8260B	3/29/2005
Methyl-t-butyl ether (MTBE)	160	2.5	ug/L	EPA 8260B	3/29/2005
Diisopropyl ether (DIPE)	< 2.5	2.5	ug/L	EPA 8260B	3/29/2005
Ethyl-t-butyl ether (ETBE)	< 2.5	2.5	ug/L	EPA 8260B	3/29/2005
Tert-amyl methyl ether (TAME)	< 2.5	2.5	ug/L	EPA 8260B	3/29/2005
Tert-Butanol	750	25	ug/L	EPA 8260B	3/29/2005
TPH as Gasoline	5800	250	ug/L	EPA 8260B	3/29/2005
1,2-Dichloroethane	< 2.5	2.5	ug/L	EPA 8260B	3/29/2005
1,2-Dibromoethane	< 2.5	2.5	ug/L	EPA 8260B	3/29/2005
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	3/29/2005
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	3/29/2005
Dibromofluoromethane (Surr)	98.0		% Recovery	EPA 8260B	3/29/2005
1,2-Dichloroethane-d4 (Surr)	94.2		% Recovery	EPA 8260B	3/29/2005

Approved By: Joel Kiff

QC Report : Method Blank Data
 Project Name : Rotten Robble Station #40
 Project Number : ROB01.001-QM

Report Number : 42969
 Date : 3/30/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/28/2005	Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/28/2005	Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/28/2005	Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/28/2005	Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/28/2005	Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Diisopropyl ether (DPE)	< 0.50	0.50	ug/L	EPA 8260B	3/28/2005	Diisopropyl ether (DPE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/28/2005	Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/28/2005	Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/28/2005	Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/29/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/28/2005	TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/29/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/28/2005	1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	3/28/2005	1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005
Toluene-d8 (Sur)	102	%	EPA 8260B	3/28/2005	Toluene-d8 (Sur)	98.6	%	EPA 8260B	3/29/2005		
4-Bromofluorobenzene (Sur)	100	%	EPA 8260B	3/28/2005	4-Bromofluorobenzene (Sur)	97.2	%	EPA 8260B	3/29/2005		
Dibromofluoromethane (Sur)	99.2	%	EPA 8260B	3/28/2005	Dibromofluoromethane (Sur)	100	%	EPA 8260B	3/29/2005		
1,2-Dichloroethane-d4 (Sur)	96.1	%	EPA 8260B	3/28/2005	1,2-Dichloroethane-d4 (Sur)	101	%	EPA 8260B	3/29/2005		
Benzene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005						
Toluene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005						
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005						
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005						
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005						
Diisopropyl ether (DPE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005						
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005						
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005						
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	3/29/2005						
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	3/29/2005						
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005						
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	3/29/2005						
Toluene-d8 (Sur)	99.1	%	EPA 8260B	3/29/2005							
4-Bromofluorobenzene (Sur)	105	%	EPA 8260B	3/29/2005							
Dibromofluoromethane (Sur)	97.6	%	EPA 8260B	3/29/2005							
1,2-Dichloroethane-d4 (Sur)	98.7	%	EPA 8260B	3/29/2005							



KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By: Joel Kiff

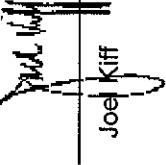
Project Name : Rotten Robbie Station #40
Project Number : ROB01.001-QM

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Analysis Method	Date Analyzed	Duplicate Spiked Sample Percent Recov.	Spiked Sample Percent Recov.	Spiked Sample Percent Recov.	Relative Percent Diff.
Benzene	42994-07	<0.50	40.0	40.0	41.5	39.8	ug/L	EPA 8260B	3/28/05	104	99.5	4.24
Toluene	42994-07	<0.50	40.0	40.0	45.5	43.6	ug/L	EPA 8260B	3/28/05	114	109	4.34
Tert-Butanol	42994-07	<5.0	200	200	218	216	ug/L	EPA 8260B	3/28/05	109	108	1.10
Methyl-t-Butyl Ether	42994-07	0.57	40.0	40.0	34.8	33.6	ug/L	EPA 8260B	3/28/05	85.6	82.7	3.40
Benzene	43001-03	<0.50	40.0	40.0	41.4	39.9	ug/L	EPA 8260B	3/29/05	104	99.8	3.71
Toluene	43001-03	<0.50	40.0	40.0	38.7	36.9	ug/L	EPA 8260B	3/29/05	96.7	92.3	4.67
Tert-Butanol	43001-03	5.8	200	200	202	203	ug/L	EPA 8260B	3/29/05	98.0	98.7	0.714
Methyl-t-Butyl Ether	43001-03	2.6	40.0	40.0	38.0	37.5	ug/L	EPA 8260B	3/29/05	88.6	87.3	1.43
Benzene	43001-07	<0.50	40.0	40.0	39.7	39.6	ug/L	EPA 8260B	3/29/05	99.3	99.1	0.215
Toluene	43001-07	<0.50	40.0	40.0	39.6	39.3	ug/L	EPA 8260B	3/29/05	98.9	98.2	0.748
Tert-Butanol	43001-07	<5.0	200	200	195	196	ug/L	EPA 8260B	3/29/05	97.4	97.8	0.486
Methyl-t-Butyl Ether	43001-07	<0.50	40.0	40.0	38.9	38.7	ug/L	EPA 8260B	3/29/05	97.2	96.7	0.581

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By: Joel Kiff



QC Report : Laboratory Control Sample (LCS)

Report Number : 429669
Date : 3/30/2005

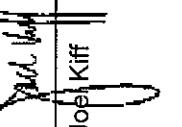
Project Name : Rotten Robbie Station #40
Project Number : ROB01.001-QM

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	3/28/05	103	70-130
Toluene	40.0	ug/L	EPA 8260B	3/28/05	111	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/28/05	107	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/28/05	88.8	70-130
Benzene	40.0	ug/L	EPA 8260B	3/29/05	105	70-130
Toluene	40.0	ug/L	EPA 8260B	3/29/05	107	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/29/05	104	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/29/05	95.6	70-130
Benzene	40.0	ug/L	EPA 8260B	3/29/05	99.0	70-130
Toluene	40.0	ug/L	EPA 8260B	3/29/05	99.0	70-130
Tert-Butanol	200	ug/L	EPA 8260B	3/29/05	96.2	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	3/29/05	104	70-130

Approved By:

KIFF ANALYTICAL, LLC

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800


Joe Kiff

APPENDIX D

NCRWQCB LETTER DATED DECEMBER 3, 2004

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ROBO1.001



DEC 08 2004

California Regional Water Quality Control Board

North Coast Region

William R. Massey, Chairman

Terry Tamminen
Secretary for
Environmental
Protection

<http://www.swrcb.ca.gov/rwqcb1/>
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403
Phone 1-877-721-9203 Office (707) 576-2220 FAX (707) 523-0135



Arnold
Schwarzenegger
Governor

December 3, 2004

Mr. Tom Robinson
Mission Trail Oil Company
4520 Williams Road
San Jose, CA 95129

Dear Mr. Robinson:

Subject: Comments on Workplan for Installation of Ozone Sparging
Remediation System

File: Rotten Robbie #40, 2515 Guerneville Road, Santa Rosa, Case
No. 1TSR022

Regional Water Board staff have reviewed the July 26, 2004 Workplan for Installation of Ozone Sparging Remediation System prepared by APEX EnviroTech, Inc. for 2515 Guerneville Road in Santa Rosa. The proposal is acceptable with the following comments:

- Please contact Ms. Andrea Jensen at (707) 543-3542 regarding Santa Rosa Fire and Community Development Departments regulatory and permit requirements.
- Ozone sparging does not require a permit from our agency. However, baseline parameters must be determined prior to the onset of ozone injection, which are monitored for during the project. They include dissolved oxygen, ORP, temperature, pH, bromide, bromate, dissolved hexavalent chromium, dissolved vanadium, dissolved selenium and dissolved molybdenum. The dissolved oxygen, pH and ORP shall be measured in the field. The laboratory-reporting limit for hexavalent chromium and bromate should be no higher than 5 and 10 ug/l, respectively.
- The gasoline and MtBE plumes have migrated off site to the south based on the analytical results for groundwater samples collected in MW-11 installed in the medium strip of Guerneville Road for the investigation at 2500 Guerneville Road. Please make arrangement for access to this well and include it in your sampling schedule. You may contact Mr. Brian Wingard with Winzler & Kelly at (707) 523-1010 regarding well access.
- Please submit a map showing the ozone system piping/trench, generator and delivery system pad locations.

California Environmental Protection Agency

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- The borings must be logged during ozone sparge well installation. Soil samples for chemical analysis should also be collected from areas of obvious impact, particularly beneath the canopy adjacent to the fuel islands. Soil samples must be preserved using EPA Method 5035.

Please notify me in advance of sparge well installations so I can conduct a site inspection during field activities. If you have any questions, I can be reached at (707) 576-2675.

Sincerely,



Joan Fleck
Engineering Geologist

JEF:clh/120304_JEF_RottenRobbie

Cc: Fire Inspector Andrea Jensen, Santa Rosa Fire Department
Mr. Brian Wingard, Winzler & Kelly, 495 Tesconi Circle, Santa Rosa, CA
95401-4696
Mr. Kasey Jones, APEX EnviroTech, Inc. 11244 Pyrites Way, Gold River, CA
95670
Mr. Ron Michelson, RM Associates, 16401 Meadow Vista Drive, Suite 102, Pioneer, CA
95666